## **WEST Search History**

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DATE: Monday, January 08, 2007

Hide?	<u>Set</u> <u>Name</u>	Query	<u>Hit</u> <u>Count</u>
	DB=I	PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ	
C	L91	L90 and ((edge or peripheral or periphery or peripherally or outer or outside) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) same ((first or primary or initial) same (frequency)))	5
	L90	L84 and (hyper or hyper-polarize or hyper-polarizing or hyper-polarizable or hyper-polarized or hyperpolarized or hyperpolarization or hyper-polarization)	498
	L89	L85 and (hyper or hyper-polarize or hyper-polarizing or hyper-polarizable or hyper-polarized or hyperpolarize or hyperpolarizing or hyperpolarizable or hyperpolarized or hyperpolarization or hyper-polarization)	16
П	L88	L87 and (hyper or hyper-polarize or hyper-polarizing or hyper-polarizable or hyper-polarized or hyperpolarization or hyperpolarization)	6
	L87	L86 and (electron or "esr" or "epr")	33
Ľ	L86	L85 and ((center or central or centrally or centered or middle or inner or inside) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) same ((second or additional or another or secondary or auxiliary or different or separate) same (frequency)))	67
П	L85	L84 and ((edge or peripheral or periphery or peripherally or outer or outside) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) same ((second or additional or another or secondary or auxiliary or different or separate) same (frequency)))	136
	L84	L83 and (full or complete ot total or entire or entirety or fully or commpletely or totally or fill or filling or filled)	7485
	L83	L82 and (proton or "h" or hydrogen or water or oil or lipid or fat "13" or "c" or carbon or nuclei or "h2O" or "h.sub.2O")	7993
	L82	L81 and ((first and second or additional or another or primary or secondary or auxiliary or different or separate) same (time or read or domain or image or space or frequency))	8179
	L81	L80 and ((first and second or additional or another or primary or secondary or auxiliary or different or separate) same (time or read or domain or image or space or frequency))	8179
Γ	L80	L79 and (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or undersampl\$3 or undersampl\$3)	9722

Γ	L79	L78 and (kspace or k-space or "k space" or "k.sub.x" or "k.sub.y" or "kx" or "ky" or "kz" or "k.sub.z" or raw)	9835
T.	L78	L77 and (edge or peripheral or periphery or peripherally or outer or outside)	65411
<u> </u>	L77	L1 and (center or central or centrally or centered or middle or inner or inside)	120930
	DB = 0	PGPB, USPT; PLUR=YES; OP=ADJ	
	L76	L1 and (center or central or centrally or centered or middle or inner or inside)	113983
	DB=	USPT,PGPB; PLUR=YES; OP=ADJ	
П	L75	('4789933'  '5270653'  '5402067'  '5485086'  '5539313'  '5604434'  '5652516'  '5758646'  '5910728'  '5912557'  '6020739'  '6215306'  '6272479'  '6288547'  '6400152'  '6483306'  '6801037'  '6933720'  '6937014'  '6937015'  '20030109781'  '20030216636'  '20040044280'  '20040260173'  '20050017717'  '20050033153'  '20050057249'  '20050074152')![pn]	28
	DB = 0	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=ADJ	
Γ	L74	L73 and ((combining or combine or combined or add or adding or added or addition or suming or summation or summing or sumed or summed) same (kspace or k-space or "k space" or "k.sub.x" or "k.sub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	1
<u> </u>	L73	L13 and ((variable with density with spiral) or VDS)	1
	L72	L45 and ((variable with density with spiral) or VDS)	3
	L71	(L70 or L69 or L68 or L67)	16
	L70	L66 and ((edge or peripheral or periphery or peripherally) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) same ((first or primary or initial) same (frequency)))	5
	L69	L66 and ((center or central or centrally or centered or middle) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) same ((second or additional or another or secondary or auxiliary or different or separate) same (frequency)))	8
Γ	L68	L66 and ((center or central or centrally or centered or middle) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) same ((first or primary or initial) same (frequency)))	3
Ε	L67	L66 and ((edge or peripheral or periphery or peripherally) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) same ((second or additional or another or secondary or auxiliary or different or separate) same (frequency)))	12
	L66	L65 and (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav§3 or under or undersampl\$3 or undersampl\$3)	379
	L65	L4 and ((variable with density with spiral) or VDS)	379
	L64	L57 and L55	1
[t	L63	L58 and L59	2
		L61 and (substitute or substituting or substituted or substitution or exchanging	

٢	L62	or exchanged or exchange or interchange or interchanging or interchanged or inter-change or inter-changed or switch or switching or switched or switchably or switchable)	35
Γ	L61	L60 and (proton or "h" or hydrogen or water or oil or lipid or fat "13" or "c" or carbon or nuclei or "h2O" or "h.sub.2O")	40
Γ	L60	L59 or L58 or L57 or L55	40
Б	L59	L53 and ((edge or peripheral or periphery or peripherally) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) same ((second or additional or another or secondary or auxiliary or different or separate) same (frequency)))	8
	L58	L53 and ((center or central or centrally or centered or middle) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) same ((first or primary or initial) same (frequency)))	30
	L57	L53 and ((center or central or centrally or centered or middle) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) same ((second or additional or another or secondary or auxiliary or different or separate) same (frequency)))	34
Γ	L56	L53 and ((edge or peripheral or periphery or peripherally) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) ((second or additional or another or secondary or auxiliary or different or separate) same (frequency)))	0
C	L55	L53 and ((edge or peripheral or periphery or peripherally) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) same ((first or primary or initial) same (frequency)))	7
	L54	L53 and (hyper or hyper-polarize or hyper-polarizing or hyper-polarizable or hyper-polarized or hyperpolarization or hyperpolarization)	2
<u>.</u>	. L53	L52 and ((combining or combine or combined or add or adding or added or addition or suming or summation or summing or sumed or summed) same (kspace or k-space or "k space" or "k.sub.x" or "ksub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	72
	L52	L51 and (transform or transformation or transforming or transformed or transformable or FT or FFT or DFT)	79
	L51	L50 and (combining or combine or combined or add or adding or added or addition or suming or summation or summing or summed)	93
ŗ	L50	L49 and ((edge or peripheral or periphery or peripherally) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) same (kspace or k-space or "k space" or "k.sub.x" or "k.sub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	95
	L49	L48 and ((center or central or centrally or centered or middle) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or	154

Γ:		undersampl\$3) same (kspace or k-space or "k space" or "k.sub.x" or "k.sub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	
	L48	L47 and ((second or additional or another or secondary or auxiliary or different or separate) same (frequency))	3956
	L47	L20 and ((first or primary or initial) same (frequency))	4861
	L46	L45 and ((first and second or additional or another or primary or secondary or auxiliary or different or separate) same (frequency))	6
	DB=	USPT, PGPB; PLUR=YES; OP=ADJ	
Γ	L45	('5270653'  '5402067'  '20030216636'  '20040044280'  '20050017717'  '20050033153'  '20050057249')![pn]	7
		PGPB, $USPT$ , $USOC$ , $EPAB$ , $JPAB$ , $DWPI$ , $TDBD$ ; $PLUR = YES$ ; $OP = ADJ$	
Γ	L44	L41 and (fetzner)	4
C	L43	L41 and (substitute or substituting or substituted or substitution or exchanging or exchanged or exchange or interchange or interchanging or interchanged or inter-changed)	. 13
	L42	L41 and (electron or "esr" or "epr")	4
<u> </u>	L41	L40 and ((center or central or centrally or centered or middle) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) same (kspace or k-space or "k space" or "k.sub.x" or "ksub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	80
<u>,</u> □	L40	L36 and ((edge or peripheral or periphery or peripherally) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3 or under or under-sampl\$3 or undersampl\$3) same (kspace or k-space or "k space" or "k.sub.x" or "k.sub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	85
匚	L39	L38 and (electron or "esr" or "epr")	4
П	Ļ38	L37 and ((center or central or centrally or centered or middle) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3) same (kspace or k-space or "k space" or "k.sub.x" or "ksub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	66
	L37	L36 and ((edge or peripheral or periphery or peripherally) same (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3) same (kspace or k-space or "k space" or "k.sub.x" or "k.sub.y" or "ky" or "kz" or "k.sub.z"))	70
	L36	L35 and (transform or transformation or transforming or transformed or transformable or FT or FFT or DFT)	116
	L35	L34 and ((combining or combine or combined or add or adding or added or addition or suming or summation or summing or sumed or summed) same (kspace or k-space or "k space" or "k.sub.x" or "k.sub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	128
	L34	L33 and (combining or combine or combined or add or adding or added or addition or suming or summation or summing or summed)	142
Γ.	L33	L32 and ((center or central or centrally or centered or middle) same (kspace or k-space or "k space" or "k.sub.x" or "k.sub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	142

Ė	L32	L29 and ((edge or peripheral or periphery or peripherally) same (kspace or k-space or "k space" or "k.sub.x" or "k.sub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	152
· [	L31	L29 and (electron or "esr" or "epr")	8
	L30	L29 and (hyper or hyper-polarize or hyper-polarizing or hyper-polarizable or hyper-polarized or hyperpolarize or hyperpolarizing or hyperpolarizable or hyperpolarized or hyperpolarization or hyper-polarization)	3
匚	L29	L25 and ((first and second or additional or another or primary or secondary or auxiliary or different or separate) same (frequency))	212
	L28	L25 and (hyper or hyper-polarize or hyper-polarizing or hyper-polarizable or hyper-polarized or hyperpolarization or hyperpolarization)	5
	L27	L26 and (hyper or hyper-polarize or hyper-polarizing or hyper-polarizable or hyper-polarized or hyperpolarize or hyperpolarizing or hyperpolarizable or hyperpolarized or hyperpolarization or hyper-polarization)	1
	L26	L25 and (electron or "esr" or "epr")	10
Γ.	L25	L24 and (proton or "h" or hydrogen or water or oil or lipid or fat "13" or "c" or carbon or nuclei or "h2O" or "h.sub.2O")	302
С	L24	L23 and ((full or complete ot total or entire or entirety or fully or commpletely or totally) same (kspace or k-space or "k space" or "k.sub.x" or "ksub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	310
<b>.</b> !	L23	L22 and ((portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3) same (kspace or kspace or "k space" or "k.sub.x" or "kx" or "ky" or "kz" or "kz" or "k.sub.z"))	479
П	L22	L21 and (kspace or k-space or "k space" or "k.sub.x" or "k.sub.y" or "kx" or "ky" or "kz" or "k.sub.z")	1675
	L21	L20 and ((first and second or additional or another or primary or secondary or auxiliary or different or separate) same (time or read or domain or image or space or frequency))	26609
	L20	L19 and (time or read or domain or image or space or frequency)	31524
	L19	L5 and (first and second or additional or another or primary or secondary or auxiliary or different or separate)	31752
Γ.	L18	L17 and (hyper or hyper-polarize or hyper-polarizing or hyper-polarizable or hyper-polarized or hyperpolarization or hyperpolarization)	1
Γ.	L17	L16 and (electron or "esr" or "epr")	10
Γ	L16	L15 and (proton or "h" or hydrogen or water or oil or lipid or fat "13" or "c" or carbon or nuclei or "h2O" or "h.sub.2O")	297
<u> </u>	L15	L14 and ((full or complete ot total or entire or entirety or fully or commpletely or totally) same (kspace or k-space or "k space" or "k.sub.x" or "k.sub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	305
Ţ,	L14	L8 and ((portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3) same (kspace or k-space or "k space" or "k.sub.x" or "k.sub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	475

C	L13	L12 and ((portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3) same (kspace or k-space or "k space" or "k.sub.x" or "k.sub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	. 4
	L12	L11 and ((full or complete ot total or entire or entirety or fully or commpletely or totally) same (kspace or k-space or "k space" or "k.sub.x" or "k.sub.y" or "kx" or "ky" or "kz" or "k.sub.z"))	8
Γ	L11	L10 and (electron or "e")	198
Γ.	L10	L9 and (proton or "h" or hydrogen or water or oil or lipid or fat "13" or "c" or carbon or nuclei or "h2O" or "h.sub.2O")	204
. [	L9	L8 and (hyper or hyper-polariz\$4 or hyperpolariz\$4 or hyperpolarization or hyper-polarization)	205
	L8	L7 and (time or read or domain or image or space or frequency)	1743
· 🗀	L7	L6 and (kspace or k-space or "k space" or "k.sub.x" or "ksub.y" or "kx" or "ky" or "kz" or "k.sub.z")	1743
	L6	L5 and (first and second or additional or another or primary or secondary or auxiliary)	31358
	L5	L4 and (portion or part or partly or partially or incomplete or incompletely or half or NEX or skipped or skipping or skip or interleav\$3)	31872
	L4	L3 and (full or complete ot total or entire or entirety or fully or commpletely or totally)	32221
	L3	L2 and (edge or peripheral or periphery or peripherally)	39779
L_	L2	L1 and (center or central or centrally or centered or middle)	103021
Γ.	L1	((magnetic adj resonan\$2) or MRI or NMR)	242911

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Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 20060279282 A1

L91: Entry 1 of 5

File: PGPB Dec 14, 2006

PGPUB-DOCUMENT-NUMBER: 20060279282

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060279282 A1

TITLE: System and method for magnetic resonance imaging

PUBLICATION-DATE: December 14, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Van Den Brink; Johan Samuel Eindhoven NL

US-CL-CURRENT: 324/309; 324/307

Full Title Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawi De
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☐ 2. Document ID: US 20040260173 A1

L91: Entry 2 of 5 File: PGPB Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040260173

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040260173 A1

TITLE: Optimized high-speed magnetic resonance imaging method and system using

hyperpolarized noble gases

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Salerno, Michael Palo Alto CA US VA US Mugler III, John P. Charlottesville Charlottesville VA US Brookeman, James R.

US-CL-CURRENT: 600/420

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw De

☐ 3. Document ID: US 20040058058 A1

L91: Entry 3 of 5

File: PGPB

Mar 25, 2004

Feb 28, 2002

PGPUB-DOCUMENT-NUMBER: 20040058058

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040058058 A1

TITLE: Raman-active taggants and thier recognition

PUBLICATION-DATE: March 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Shchegolikhin, Alexander Nikitovich	Moscow	CO	RU
Lazareva, Olga Leonidovna	Moscow		RU
Mel'nikov, Valery Pavlovich	Moscow		RU
Ozeretski, Vassili Yu	Moscow	•	RU
Small, Lyle David	Peyton		US

.US-CL-CURRENT: 427/7

Ī	Full	Title	Citation Front	Review Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawi De
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	Г	4.	Document ID:	US 2002002549	0 A1						•

File: PGPB

PGPUB-DOCUMENT-NUMBER: 20020025490

PGPUB-FILING-TYPE: new

L91: Entry 4 of 5

DOCUMENT-IDENTIFIER: US 20020025490 A1

TITLE: Raman-active taggants and their recognition ·

PUBLICATION-DATE: February 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	
Shchegolikhin, Alexander Nikitovich	Moscow	CO	RU	
Lazareva, Olgal Leonidovna	Moscow		RU	
Melnikov, Valery Pavlovich	Moscow		RU	
Ozeretski, Vassili Yu	Noscow		RU	
Small, Lyle David	Peyton		US	

US-CL-CURRENT: 430/270.15; 283/90, 430/270.11, 430/270.14, 430/945

Full Title Citation	Const. Davison	Classification Da	ata Dafaranaa	Securences	Attachments	Claime	KWIC	Drawi De
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## ☐ 5. Document ID: US 6610351 B2

L91: Entry 5 of 5

File: USPT

Aug 26, 2003

US-PAT-NO: 6610351

DOCUMENT-IDENTIFIER: US 6610351 B2

TITLE: Raman-active taggants and their recognition

DATE-ISSUED: August 26, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shchegolikhin; Alexander Nikitovich	Moscow		•	RU
Lazareva; Olga Leonidovna	Moscow			RU
Mel'nikov; Valery Pavlovich	Moscow			RU
Ozeretski; Vassili Yu	Moscow			RU
Small; Lyle David	Peyton	CO		

US-CL-CURRENT: <u>427/7</u>; <u>106/31.14</u>, <u>106/31.15</u>, <u>283/85</u>, <u>283/901</u>, <u>283/91</u>, <u>283/92</u>, <u>427/553</u>, <u>427/555</u>, <u>427/8</u>

Cerm .	Documents
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EDGES	1801098
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PERIPHERALS	45154
PERIPHERY	1332552
PERIPHERIES	106035
PERIPHERYS	5:4
PERIPHERALLY	95930
PERIPHERALLIES	. 0
PERIPHERALLYS	2
DUTER	3916474
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